

1 Navy Case No. 82,627

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3 **METHOD OF PRODUCING CORROSION RESISTANT METAL**

4 **ALLOYS WITH IMPROVED STRENGTH AND DUCTILITY**

5 **ABSTRACT OF THE DISCLOSURE**

6 Nickel and chromium as the exclusive components of an alloy is formed by mixing under
7 cover of nitrogen gas and spray casting thereof wherein a molten outflow stream of such alloy
8 components is atomized by exposure to jets of the nitrogen gas after pressurization, resulting in
9 formation of molten alloy metal droplets deposited on to a surface.

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